PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	RANSMITTAL LETTER TO	ATTORNEY'S DOCKET NUMBER 0666.2940000				
	DESIGNATED/ELECTED NCERNING A SUBMISSIO	u.S. APPLICATION NO. (If known, see 37 CFR 1.5) To Be Determined				
	TIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED			
	PCT/JP2004/12000	20 August 2004	29 January 2004			
TRAC	FOR NT(S) FOR DO/EO/US					
Masaka	ızu KOMATSU and Keiichi I					
Applican	t herewith submits to the United Sta	tes Designated/Elected Office (DO/EC	O/US) the following items and other information:			
1. X	This is a FIRST submission of items con	ncerning a submission under 35 U.S.C. 371				
2.	This is a SECOND or SUBSEQUENT so	ubmission of items concerning a submission	1 under 35 U.S.C. 371.			
з. 🗌	This is an express request to begin natio (5), (6), (9) and (21) indicated below.	onal examination procedures (35 U.S.C. 37	1(f)). The submission must include items			
4. X	The US has been elected (Article 31).					
5. X	A copy of the International Application	as filed (35 U.S.C. 371(c)(2))				
	a. is attached hereto (required	only if not communicated by the Internation	al Bureau).			
	b. X has been communicated by the International Bureau.					
	c. is not required, as the applic	ation was filed in the United States Receiving	ng Office (RO/US).			
6. X	An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).					
	a. X is attached hereto.					
• —	b. has been previously submitt	ted under 35 U.S.C. 154(d)(4).				
7. X	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))					
	a. X are attached hereto (required only if not communicated by the International Bureau).					
	b. have been communicated by the International Bureau.					
	c. have not been made; however, the time limit for making such amendments has NOT expired.					
	d. have not been made and will not be made.					
8. X	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).					
9.	An oath or declaration of the inventor(An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).				
10.	An English language translation of the Article 36 (35 U.S.C. 371(c)(5)).	annexes of the International Preliminary Ex	xamination Report under PCT			
Items	s 11 to 20 below concern document(s)	or information included:				
11. X	An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.				
12.	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.					
13. X	A preliminary amendment.					
14. X	An Application Data Sheet under 37 CFR 1.76.					
15.	A substitute specification.					
16.	A power of attorney and/or change of address letter.					
17.	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.					
18.	A second copy of the published Interna	ational Application under 35 U.S.C. 154(d)(4).			
19.	A second copy of the English language	e translation of the international application	under 35 U.S.C. 154(d)(4).			

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Page 1 of 3

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

20. Other items or information: 1) Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3); 2) International Search Report; 3) List of the cited documents on Forms PTO/SB/08A and PTO/SB/08B (2 sheets); and 4) Copies of the cited documents (FP1-FP7 and NPL1). The following fees have been submitted 21. ② Basic national fee (37 CFR 1.492(a))	To Be Determined			PCT/JP2004/12000		0666.2940000/TGD	
21.	1) Authorizat 2) Internation	tion to Treat and Search Re	Reply As Incor; 3) List o	f the cited document	s on Forms PTO		
300.00 3	The foll	owing fees have b	een submitted			CALCULATIONS	PTO USE ONLY
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)						\$ 300.00	
Dy PEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)	22. X Exan	nination fee (37 CF	R 1.492(c))				
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPFA/US indicates all claims satisfy provisions of PCT Article 34(1)-(4)	by IPEA/	US indicates all cl					
TOTAL OF 21, 22 and 23 = 900.00 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(f)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof. Number of each additional 50 or fraction thereof. Number of each additional 50 or fraction thereof.	If the written opin IPEA/US Search fee (37 C International Sea previously	nion of the ISA/US indicates all claim FR 1.445(a)(2)) ha onal Searching Au arch Report prepar y communicated to					
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets	All other situation	18			\$500	······································	
sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(f)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof. 100 = 1/50 = 1/				in nanas avas 100 abaata (a	valudina	900.00	
thereof (round up to a whole number) -100 = /50	sequence electronic	e listing in complia c medium) (37 CF					
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 17 - 20 = 0 x \$50 \$ 0.00 Independent claims 2 - 3 = 0 x \$200 \$ 0.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ \$ 0.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ \$ 0.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$900.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$900.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +	Total Sheets	Extra Sheets			RATE		
### According to be enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property #### According 17 CFR 1.492(h)). #### CIAIMS NUMBER FILED NUMBER EXTRA RATE \$	- 100 =	/50 =			x \$250	\$ 0.00	1
Total claims 17 - 20 = 0 x \$ 50 \$ 0.00 Independent claims 2 - 3 = 0 x \$ 200 \$ 0.00 MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ TOTAL OF ABOVE CALCULATIONS = \$900.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$900.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + TOTAL NATIONAL FEE = \$900.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$900.00 Amount to be refunded: \$400.00 Amount to							
Independent claims 2 -3 = 0	CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360 \$ TOTAL OF ABOVE CALCULATIONS = \$900.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$900.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). + TOTAL NATIONAL FEE = \$900.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$900.00 Amount to be refunded: Amount to be	Total claims		17 - 20 =	0	× \$50	\$ 0.00	
TOTAL OF ABOVE CALCULATIONS = \$ 900.00 Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$ 900.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$ 900.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$ 900.00 Amount to be refunded: \$ Amount to be	Independent clair	ms	2 -3=	0	x \$200	\$ 0.00	
Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = \$900.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$900.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$900.00 Amount to be refunded: \$ Amount to be	MULTIPLE DEPE	ENDENT CLAIM(S	+ \$360	\$			
SUBTOTAL = \$ 900.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$ 900.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$ 900.00 Amount to be refunded: \$ Amount to be			CALCULATIONS =	\$ 900.00			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = \$900.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$900.00 Amount to be refunded: \$ Amount to be \$\$							
claimed priority date (37 CFR 1.492(i)). + TOTAL NATIONAL FEE = \$900.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$900.00 Amount to be refunded: Amount to be					SUBTOTAL =	\$ 900.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$900.00 Amount to be refunded: Amount to be	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest						
by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + TOTAL FEES ENCLOSED = \$900.00 Amount to be refunded: \$ Amount to be \$			\$ 900.00				
Amount to be refunded: Amount to be \$ Amount to be \$	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied						
Amount to be refunded: Amount to be \$ \$	TOTAL FEES ENCLOSED = \$ 900.00						
						Amount to be	\$
							\$

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

а. 🔲	A check in the amount of \$ to cov	er the above fees is enclosed.			
b. 🔲	Please charge my Deposit Account No in the a A duplicate copy of this sheet is enclosed.	mount of \$ to cover the above fees.			
	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0036. A duplicate copy of this sheet is enclosed.				
d. X	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.				
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO: SEND ALL CORRESPONDENCE TO:					
CUS	STOMER NUMBER 26111	Tracy-Gene G. Durkin			
		NAME			
		32,831			
		REGISTRATION NUMBER			